Date: Wed, 9 Jun 93 13:05:43 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #704
To: Info-Hams

Info-Hams Digest   Wed, 9 Jun 93   Volume 93 : Issue 704

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 9 Jun 1993 12:22:24 -0500
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!math.ohio-state.edu!cs.utexas.edu!tamsun.tamu.edu!tamsun.tamu.edu!not-for-mail@network.UCSD.EDU
Subject: 1/2 wave vs. 1/4 wave verticals (R7 vs. AP8A)
To: info-hams@ucsd.edu

Does anyone have any opinions as to the effectiveness of the MFJ AP8A
multiband vertical? I'm specifically interested in how it compares to the

R7 (which I know is excellent). I'd like to get an R7, but since I'm a starving student (and it costs half as much), I would gladly settle for the AP8A if I wouldn't lose too much effectiveness.

Thanks,
Brandon AB5LV

Date: Wed, 9 Jun 93 16:34:59 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!umn.edu!gaia.ucs.orst.edu!sequent!muncher.sequent.com!dale@network.UCSD.EDU
Subject: Astron as battery charger (was Field Day Power)
To: info-hams@ucsd.edu

I appreciate the responses to my question about Field Day power. I'm thinking of connecting the Astron supply to a 12 volt deep discharge battery that we have used in the past, and then powering the HF rig from this combination. Then if we need to shut down the generator to refuel we just turn off the amplifier and continue running the HF station.

The question I have is how will the Astron supply react should it be turned off and see a connection to an infinite current source at 12 volts connected to its output? Does anyone have an Astron schematic and is able to determine if it will survive this? Has anyone done this. I'm sure that as long as the Astron is powered up it will make a fine battery charger, my concern is that I'll melt a couple of transistors if the power supply is turned off.

As for the suggestions to run without the amp, we have done that the last two years, this year we want to pick up the contact pace a bit and will use the amp.

Thanks for the reminder as to safety with grounding and refueling, but Jim and Dave can be replaced. I'm worried about the TS-850.

So if anyone has some experience hooking up an Astron RS35 power supply (I think that is the model) to a 12 volt battery let me know how it worked.

Thanks, Dale. N7PEX

--
  dale@sequent.com   OR   uunet!sequent!dale
  Dale Mosby   503-578-9842 N7PEX // Sequent Computer Systems, Inc.

  15450 SW Koll Parkway   // Beaverton, Or. 97006-6063

Date: 9 Jun 93 16:22:17 GMT
From: sun-barr!koriel!male.EBay.Sun.COM!west.West.Sun.COM!l1-a!flloyd@RUTGERS.EDU
Subject: Callbook server
To: info-hams@ucsd.edu

In article <1993Jun9.150934.27280@midway.uchicago.edu> hayward@cs.uchicago.edu
(Kristin R. Hayward) writes:
>In article <C8BxyK.Jt2@feenix.metronet.com> marcbg@feenix.metronet.com
>   (Marc Grant) writes:
>:
>:The callbook server at electra.cs.buffalo.edu is about 1 year out of date.
>: With all the new hams and changes over the past year, it's high time that
>:it should be updated.
>:
>
...
>Since I haven't seen a response on this yet from the "organizers of
>the great callsign project," I figured I had better jump in with some
>history.
>
...
>The project has never been easy to pull off. At $25 a pop, this means
>that approximately 35 people need to subscribe. Last time, they almost
>didn't cover expenses, and we are not even talking about the time of
>the organizers in transferring the data to the media of your choice.
>
...
>Now, with CD-ROM attached to many computers and the callsign CDs
>selling for $25 or less, I bet that it will become nearly impossible
>for the "organizers of the great callsign project" to pull this off
>one more time.
>
>
>Kristin

Kristin,

Allow me to jump in as one of the "organizers of the great callsign
project"...

First of all, I am now the "curator" of the callsign project, after
having inherited it from Rusty, N7IKQ. The last copy which I ordered
from the FCC was dated March 1993. This was immediately pressed into a
CDROM and put into production by a commercial publisher. I made

a number of discount copies of the CDROM available to those who had supported the "project" in the past. Incidentally, I still have several of these available to _anyone_ who would like a copy.

Secondly, Devon Bowen, keeper of electra.cs.bullalo.edu was sent a complimentary copy of the latest CDROM. I do not know why he has not updated the server yet, perhaps he does not have a CD drive.

Next, I made the decision not to continue tape duplication since the CDROM is now a fairly universal format. This has proven to be a good decision since several times as many CDROMS have been distributed than tapes were ever made. The CDROM has also allowed access to many users that was not previously possible, on their home PC's.

Finally, the success of this project in monetary terms has never been in question as more than enough copies have been sold to cover the data aquisition costs. Furthermore, despite the fact that the one-time non-profit callsign "project" is now a commercial enterprise, costs to the end user have not risen appreciably, and in some cases have even gone down from previous editions.

-fred

[Fred Lloyd, AA7BQ   Fred.Lloyd@West.Sun.COM]
[Sun Microsystems,   Systems Engineer]
[Phoenix, AZ   (602) 224-3517]

Date: Wed, 09 Jun 1993 17:30:22 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!neoucom.edu!wtm@network.UCSD.EDU
Subject: CW in movies (was Re: Ham radio in movies)
To: info-hams@ucsd.edu

For a laugh, check out the movie, "Hot Shots Part Deux." The guy at the command post is copying CW and writing DAH - DAH - DIT - DAH, etc. on the note pad.

There were several scenes with apparently authentic style military radios at the command post and 1960s vintage man pack radio. The commandos had pretty neat boom microphones, but the supposed radios to which they were attached were not shown.

--
Bill Mayhew   NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA   phone: 216-325-2511

wtm@uhura.neoucom.edu   amateur radio 146.58: N8WED/AA

Date: 9 Jun 93 10:40:16
From: dog.ee.lbl.gov!overload.lbl.gov!agate!headwall.Stanford.EDU!
nntp.Stanford.EDU!36.21.0.147!bencze@network.UCSD.EDU
Subject: FT-530 HT coverage expansion mods needed
To: info-hams@ucsd.edu

>> On 8 Jun 1993 12:55:39, genew@techbook.techbook.com (Gene Wolford) said:

> I recently purchased a Yaesu FT-530 HT at the Seaside Hamvention and am
> interested in finding the method of expanding the receiver tuning range.
> Does this also expand the xmit range, putting me at risk of accidental
> xmit outside of the appropriate band edge?
> Or is their a separate transmit mod for CAP, MARS, ect?
> I would like to have information on any or all possible mods.

This is what I got when I bought my 530:

Mod for expanded transmit 130-180, 400-460 MHz
        expanded receive 110-180, 300-500 MHz

1. Remove Battry.
2. Open up the case.
3. Remove the white plastic insulator.
4. Remove solder dot from jumper pad 13 (located on the lower
   right corner of the main processor board; attached to the
   keyboard side of the case.)
5. Close up the radio, careful not to pinch the ribbon cable. Be
   sure to replace the white plastic sheet.
6. Turn on the radio while holding down both the up and down
   arrow keys.
7. Modification complete.

(Yaesu revision 1-20-93)

Give this a try; it seems to work fine with my radio. I use it
to listen to the air band without any problems at all.

-Bill

--
 Bill Bencze   bencze@isl.stanford.edu

Date: Wed, 9 Jun 1993 16:00:08 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!torn!
nott!bnrgate!corpgate!crchh327!crchh7b0!debaker@network.UCSD.EDU
Subject: GMRS information wanted
To: info-hams@ucsd.edu

  I was wondering if anyone is familiar with GMRS? I understand
this band operates just above the ham 440 band. What is it
used for, and how does one get a license to use it? Any
information is appreciated.

Please respond via email or post here.

73,
David

David E. Baker	Opinions expressed are
Callsign: KJ5ML	mine, and they do not
Internet: debaker@bnr.ca	necessarily reflect
IP Addr: 47.122.65.7	the opinions of BNR or
Unix ID: crchh7b0	or Northern Telecom.

Date: Wed, 9 Jun 1993 16:54:16 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!ukma!
rsg1.er.usgs.gov!resdgs1.er.usgs.gov!tbodoh@network.UCSD.EDU
Subject: ham radio in movies
To: info-hams@ucsd.edu

In article <C8Ct3L.4qM@hpqmoea.sqf.hp.com>, dstock@hpqmoca.sqf.hp.com (David
Stockton) writes:
|> Robert G. Schaffrath (RGS%gms@gfimda.UUCP) wrote:
|> : In Die Hard II Kenwood HT's and a Kenwood TS-940 were used. The HT's were in
|> : the hands of the Terrorists and the TS-940 was in use by the Marines.
|>
|>
|>   More evidence that a VHF upward licence would create undesirables !
|>
|>   While the work needed to get onto HF forms good character.
|>
|>
|>
|>   Sorry! the devil made me post it!
|>
|>   David   GM4ZNX
|>

|>

--
But... in the movie, the marines turned out to be crooks too...

++
+ Tom Bodoh - Sr. systems software engineer
          +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198   (605) 594-6830   +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)
          +
+   "Welcome back my friends to the show that never ends!" EL&P
          +
++

Date: 9 Jun 93 18:46:49 GMT
From: news-mail-gateway@ucsd.edu
Subject: HTX-202 146.76 birdie, was "Re: HTX-202 mods"
To: info-hams@ucsd.edu

> >|> > PS: Is it normal for the 202 to have a birde on 146.760?? Maybe that
> >|> > is common?? cul
>
> >|> I don't know about normal, but mine does it too. So does a friends. It
> >|> is not picking up an external signal. BTW, it only is observed when the
> >|> rubber ducky is used, ie when an external antenna is used, it goes away,
> >|> so it seems to be an oscillation involving reactive components in the
> >|> rubber ducky!
>
> >It would be interesting to try the duckie from another brand of HT to see if
> >the birdie moves or goes away altogether...
>
> I have the "birdie" on my HTX-202. It's true disconnecting the rubber ducky
> eliminates the noise. I tried 3 different rubber ducks and attaching any of
> them will cause the noise to appear, I also tried a discone via 15' of RG-8
> and I get there birdie with it also. So I don't think the rubber duck is
> oscillating :-)
>
> It's probably picking up some outside noise (like from a computer) and
> mixing with internal noise or oscillators to produce the birdie on 146.76.
>
The external antenna I used, when the birdie went away was a J-POLE, and the
J-POLE was doing a much better job of receiving than the rubber duck, so it
is not just a situation of reducing the input level that is feeding the
oscillation. I agree that it is not likely that the rubber duck is itself
oscillating either, if you observed others oscillating at the same point.

I wonder if the antenna impedance at frequencies outside the ham band is the key? I would assume that the J-pole would represent nearly a dead short at lower frequencies, whereas the discone would be relatively high impedance below 30 MHz, as is the ducky. When I disconnected the shield of the J-pole, leaving the center conductor connected, the rig still received well, but the birdie came back, so I guess that the dc short is knocking out the oscillation.

Date: 9 Jun 93 17:54:57 GMT
From: news-mail-gateway@ucsd.edu
Subject: June VHF QSO Party
To: info-hams@ucsd.edu

Once again, the Wellesley Amateur Radio Society W1TKZ will be operating the June VHF QSO Party from FN33 on top of Big Mt. Equinox (3800 feet) in southwestern Vermont. Here's your chance to get a pretty rare grid and state!

We'll be in the Limited Multiop category on 6m (400 watts), 2m (800 watts), 222 (100 watts), and 432 (175 watts). Besides the usual SSB and CW, we might do some 222 FM if SSB/CW gets slow. Antennas will be single long yagis for each band.

Hope to work lots of you from the mountain!

73,
   Scott WO1G, VHF Contest Coordinator for W1TKZ
==========
Scott Sminkey
Software Sustaining Engineering
Xyplex, Inc.
295 Foster St.
Littleton, MA 01460
voice: 508 952-4792
fax: 508 952-4702
email: sasminkey@eng.xyplex.com
(Opinions, comments, etc. are mine, not Xyplex's...)

Date: 9 Jun 93 18:31:30 GMT
From: uswnvg!nv10.uswnvg.com!jbarcom@uunet.uu.net
Subject: MOTOROLA FLIP PHONE PT-550
To: info-hams@ucsd.edu

32868::FJS (FJS%32868.DEcnet@consrt.rockwell.com) wrote:
: ANYONE WITH INFO ON HOW TO PUT THESE INTO MAINTENANCE MODES TO ALLOW MANUAL TUING, ETC. I HIT SOME KEYS ACCIDENTALLY AND GOT IT TO DISPLAY "SCAN" WHICH IS NOT A NORMAL FUNCTION, BUT CAN DUPLICATE IT. CAN ANYONE SUGGEST SOURCE OF MANUAL FOR IT?

My guess is that you accidentally got yourself into the "system selection" area of the phone which is a user accessable feature. It may say "scan a" or "scan b" or a combination of the two.

As a rule of thumb, Motorolas "maintenance modes" requre more than just a series of codes put into the phone from the handset. There are miscellaneous adaptors and software limitations built in for security reasons.

Date: 9 Jun 93 18:17:59 GMT
From: walter!porthos!donner!jpb@RUTGERS.EDU
Subject: n
To: info-hams@ucsd.edu

I recently purchased a Kenwook HMC-1 Mic/Headset for my Kenwood TR-2600A and am having trouble getting it to work properly. Although there is a high and low sensitivity setting on the headset, I have to scream directly into the end to trigger the xmtr and then it only works on peaks of the input. I wrote a letter to AES and sent it back, only to get another unit sent to me that operates in the same fashion. I called AES but was not able to get much help beyond sendingit back again. Has anyone had this

experience or any success with this combination? I tryed wiggling the input jack but it didn't make any difference.I also have a speaker MIC that works fine. I also made sure that the unit has a full charge on the batteries and also tried it off the car battery thinking there may not be enough voltage to drive the unit.

Help?

Jim Brogan
Kz2h
:wq

"

Date: 9 Jun 1993 17:30:28 GMT
From: sdd.hp.com!ux1.cso.uiuc.edu!howland.reston.ans.net!gatech!udel!
bogus.sura.net!ra!cs.umd.edu!haven.umd.edu!cville-srv.wam.umd.edu!
ham@network.UCSD.EDU
Subject: QSLs to Russia and CIS
To: info-hams@ucsd.edu

>>What is the up-to-date story on sending QSLs to Russia or the other
>>former Soviet republics? I want to exchange cards with a Ukrainian
>>ham. He's in the call book. (I haven't checked for a foreign QSL
>>manager, though, I should have thought of that. Well, assuming he
>>doesn't have one:)
>I have received QSLs from CIS hams by Bureau and in mail. In fact,
>just got one from LY2GP - Alex in Latvia.
>
>Many CIS hams, especially the ones who are very active on the bands,
>have European or States sides QSL managers. The GO list is a place
>to start. Also check out recent DX Bulletins, QRZ DX, DX Magazine

I worked 4J4JJ back in late April, and was told to QSL via GW3CDP. I did
so, and within 4 weeks had a QSL card DIRECT FROM ARMENIA.

Apparently, the situation in Armenia (ex-UG6 land) has gotten even WORSE
than it had been. Airmail, which used to be fairly cheap, even recently,
has skyrocketed in cost. It cost 90 rubles to send me this card, which
is apparently a BIG chunk of money. Apparently, it used to cost 5 rubles,
and salaries certainly haven't gone up by a factor of 18.

So I was told to get on the 21.335 net and tell GW3CDP that the QSL route
was working well, and that total QSL time (from leaving MY house) was
4 weeks. Could anyone tell me when this net occurs, or could someone
who is able to get on air for this net please pass the word on?

Scott NF3I

--
73,   _________   _________ The
                                   \ / Long   Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00

    WAC CW/SSB WAS 95% of the way to DXCC _____________| Dipoles! Antenna!

Date: Wed, 9 Jun 1993 18:40:10 GMT
From: world!sharon@decwrl.dec.com

Subject: QSLs to Russia and CIS
To: info-hams@ucsd.edu

rdewan@casbah.acns.nwu.edu (Rajiv Dewan) writes:

>I have received QSLs from CIS hams by Bureau and in mail. In fact,
>just got one from LY2GP - Alex in Latvia.

Just for the record -- Latvia is NOT in the CIS; none of the Baltics
republics are. The situation in the Baltics is generally a bit better than
elsewhere in the former Soviet Union -- mail included.

I know at least for awhile, Finland's buro was handling Estonian
cards, and service was quite good. I'm not sure if they still do.

73,
Sharon KC1YR
--
Sharon Machlis Gartenberg
Framingham, MA USA
e-mail: sharon@world.std.com

Date: Wed, 9 Jun 1993 17:21:04 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!math.ohio-state.edu!uwm.edu!linac!att!cbnewse!k9un@network.UCSD.EDU
Subject: TS-430 problem T/R relay?
To: info-hams@ucsd.edu

Kenwood has a "fix" for the relay problem. It amounts to making a mod which
shoots a brief voltage across the relay contacts each time you go from
xmit to receive. This has the affect of zapping the crud from the contacts.
Before you perform the mod, they have you zap with a larger voltage to
do the initial cleaning. It is an official Kenwood bulletin for their
repair centers and is available from the Kenwood bulletin board they
advertise in the Ham rags. I have it somewhere and have been meaning to
"fix" my old 430 with it - but the 430 is now a backup rig and I lost
some of the immediate motivation - I now own an 850 :-)

You may want to call Kenwood directly and ask to have the mod info shipped -
seems that I waited many months for them to ship it via the BBS (I seem
to recall that it was listed in their index but I couldn't find it online
and had to send a message to the sysop).

Good luck...

Wes Ague - k9un

Date: 9 Jun 93 18:20:15 GMT
From: news.tek.com!tekgen!brucec@uunet.uu.net
Subject: Velocity of light
To: info-hams@ucsd.edu

Date: Wed, 9 Jun 1993 18:20:58 GMT
From: sdd.hp.com!nigel.msen.com!spool.mu.edu!news.nd.edu!chevalley!
rnimtz@network.UCSD.EDU
To: info-hams@ucsd.edu

References <m17cfpINNb8d@news.bbn.com>, <1787700037@trsvax>,
<1993Jun9.142408.1847@rsg1.er.usgs.gov>
Subject : Re: HTX-202 error mode

In article <1993Jun9.142408.1847@rsg1.er.usgs.gov> tbodoh@resdgs1.er.usgs.gov (Tom
Bodoh) writes:
>In article <1787700037@trsvax>, rpo@trsvax.tandy.com writes:
>|>
>|> This is caused by a near-dead backup lithium battery. The average
>|> life of these batteries is about 1 year, so (considering shelf time)
>|> this is pretty normal.
>|>
>--
>Only 1 year??? Everything I've seen about lithium batteries says that they
>last 5 to 10 years when used for memory backup. I suppose you could drain it
>in a year if you removed all other power. A lithium backup battery should
>last much longer than 1 year...

The manual says the lithium battery must be replaced by a RS service center.
Is this really the case? I haven't had the back off of my HTX-202 yet but it
can't be more difficult than the cell phone mod to my PRO-43 scanner.

Rick N9TJG
South Bend IN

Date: 9 Jun 1993 19:05:03 GMT
From: swrinde!elroy.jpl.nasa.gov!news@network.UCSD.EDU
To: info-hams@ucsd.edu

References <C7Myv9.6Av@fc.hp.com>, <1993Jun1.113123.1@ualr.edu>,
<129056@netnews.upenn.edu>
Subject : Re: J.C. Whitney 2M HT

In article <1993Jun1.140729.1076@rsg1.er.usgs.gov> Tom Bodoh,
tbodoh@resdgs1.er.usgs.gov writes:
>Yes - but the ads in QST, CQ and 73 are TARGETTED for hams since most
>subscribers are hams. The J.C. Whitney catalog is TARGETTED for the auto
>enthusiast many of which are CBers. Joe CBer sees the ad and will figure
>that it must some new CB, and just look at all those channels! Bye...

But if they bought the radio and operate it without a license,
it's THEM who violate the law, not you and not J.C.Whitney.
The same as I have never seen an automobile ad that states
"Operating of vehicles require a valid driver's license"...

 == Minh - KD6ARD ==

Date: 9 Jun 1993 11:52:44 -0700
From: usc!howland.reston.ans.net!gatech!asuvax!chnews!ornews.intel.com!
ornews.intel.com!not-for-mail@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jun3.213059.22175@sequent.com>, <31640021@hpcc01.corp.hp.com>,
<C8D6vB.5uC@cbnewse.cb.att.com>m
Subject : Re: TS-430 problem T/R relay?

In article <C8D6vB.5uC@cbnewse.cb.att.com> k9un@cbnewse.cb.att.com (j.w.ague)
writes:
>Kenwood has a "fix" for the relay problem. It amounts to making a mod which
>shoots a brief voltage across the relay contacts each time you go from
>xmit to receive. This has the affect of zapping the crud from the contacts.
>Before you perform the mod, they have you zap with a larger voltage to
>do the initial cleaning. It is an official Kenwood bulletin for their
>repair centers and is available from the Kenwood bulletin board they
>advertise in the Ham rags.

I too have this factory bulletin from Kenwood that I extracted from their
BBS a few years ago. I can elaborate a little more:

The initial "cleaning" involves connecting a 12-14 volt power supply of
suitable current capacity directly to the antenna connector but with
a current limiting resistor in series. I don't remember if its 10 ohms
or 100 ohms, probably 10. Then everything is powered up and you hold
down one of the bandswitch buttons which cycles all the relays while
the DC current "cleans" them.

To prevent further problems an internal modification provides a 12-14 Volt momentary zap for the relay contacts whenever the bandswitch or other tuning controls cause a different relay selection.
I myself have not tried it yet as momentarily pressing the PTT button on the microphone always cures it for me and I guess I'm not annoyed enough to do something about it. Now you know where static comes from. It's all those 430 owners tapping their mic buttons to clear their relays.

WA7LDV

End of Info-Hams Digest V93 #704
****